

New Patent Claims

1. Method for performing communication on a bus structured network between a first device (AV1) and a number of second devices (AV2, PC, LSi, LSij, Dij, DSi) the communication protocol allowing two types of communication, namely asynchronous data communication for control communication and isochronous data communication for real-time data streaming ,
10 **characterized** in that the isochronous data communication is used also for a certain type of control communication between the first device (AV1) and at least one of the second devices (AV2, PC, LSi, LSij, Dij, DSi).
- 15 2. Method according to claim 1, **characterized** in that said certain type of control communication involves communicating a control command to said at least one second device for controlling a functionality having an effect of being directly recognisable in case said
20 control command being non-timely executed in said at least one second device.
3. Method according to claim 2, characterized in that said control command is for controlling an audible parameter for a number of loudspeakers or for controlling a
25 visible parameter for controlling a number of displays.
4. Method according to one of claims 1 to 3, characterized in that said certain type of control communication (CIV, CIB) is sent in a repeated manner.
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5. Method according to one of claims 1-4, characterized in that disturbance on the communication network is detected, its degree is determined, and, depending on
35 said degree of disturbance, the use of isochronous data

communication for the certain type of control communication is reduced.

- 5 6. Method according to one of claims 1-5, characterized in that in said certain type of control communication control information (CIV, CIB) which is to be issued by a first device (AV2, PC, LSi, LSij, Dij, DSij) to several other devices (AV1, AV2, PC, LSi, LSij, Dij, DSij) is issued by means of asynchronous data communication to a second device (AV1), which transmits it to the other devices (AV2, PC, LSi, LSij, Dij, DSij) by means of isochronous data communication.
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- 15 7. Network station for performing the method according to one of claims 1-6 having an interface to the network, having means for performing asynchronous data communication for control communication and having means for performing isochronous data communication for real time data streaming, **characterized** in that communication means are provided for using said isochronous data communication for performing a control communication for a certain type of control information (CIV, CIB).
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- 25 8. Network station according to claim 7, wherein said communication means include means for transmitting said certain type of control information (CIV, CIB) onto an isochronous channel and/or for receiving said certain type of control information (CIV, CIB) from an isochronous channel.
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- 35 9. Network station according to claim 7 or 8, wherein said control communication for a certain type of control information (CIV, CIB) involves communicating a control

command (CIV, CIB) to at least one other network station
for controlling a functionality having an effect of
being directly recognisable in case said control command
being non-timely executed in said at least one other
5 network device (AV1, AV2, PC, LSij, DSij).

10. Network station according to one of claims 7 to 9,
wherein said control command is for controlling an
audible parameter for a number of loudspeakers (LSij) or
10 for controlling a visible parameter for controlling a
number of displays (Di, DSij).

11. Network station according to one of claims 7 to 10,
wherein the network interface is an IEEE-1394-network
15 interface.